

Disaster Management agencies. Police, Fire, and providers of Basic and Advanced Life support services will be the primary using agencies. If radio channels are available, other services provided in the Public Safety Radio Services and the Special Emergency Radio Services may also participate to the extent required to insure the safety of the public. These agencies include the Highway Department, Motor Vehicle Department, Forestry, Wildlife and other special service agencies not normally involved in day-to-day public safety operations.

4.1.3 Operation Procedures

On all Common Channels, plain English will be used at all times, and the use of unfamiliar terms, phrases, or codes will not be allowed. The primary public safety agency, with support of the KRCRC will monitor radio traffic discipline and resolve serious or chronic infractions.

4.1.3(I) International Calling Channel (ICALL):

<u>FREQUENCY</u>	<u>TONE</u>
821.0125 MHz (mobile)	156.7 Hz
866.0125 MHz (base)	156.7 Hz

The ICALL channel shall be used to establish contact with other users in a particular Region that can render assistance at an incident. This channel shall not be utilized as an ongoing working channel. Once contact has been established between agencies, an agreed upon ITAC or mutual aid channel shall be used for continued communications.

4.1.3(II) International Tactical Channels (ITAC-1 -ITAC-4):

<u>FREQUENCY</u>	<u>TONE</u>
1. 821.5125 MHz (mobile)	156.7 Hz

- | | | |
|----|-----------------------|----------|
| 4. | 823.0125 MHz (mobile) | 156.7 Hz |
| | 868.0125 MHz (base) | 156.7 Hz |

These frequencies are reserved for use by those agencies involved in inter-agency communications. Incidents requiring multi-agency participation will utilize these frequencies as directed by the control agency assuming responsibility for an incident or area of concern. These frequencies may be subdivided according to function in an incident or by geographical location in response to an incident. It is recommended that the following assignments for ITAC-1 through ITAC-4 be used when possible.

ITAC-1.....	Law Enforcement
ITAC-2	Fire Services
ITAC-3	Emergency Medical Services
ITAC-4	Command and Control

4.1.4 Coded Squelch

All equipment capable of operating on the five (5) common channels shall be equipped with the National Common Tone Squelch of 156.7 Hz. Mobile relays on these channels, if authorized, may use additional tone or digital squelch codes for the purpose of selecting individual mobile relay stations.

Adjacent region coordination will be via existing mutual aid coordination procedures with the requesting region establishing the tactical frequency assignment.

4.3 Requirements For Trunking

All systems operating in the Region having five or more channels will be required to be trunked. These systems having four or less channels may be

observed. Overlap or extended coverage must be minimized, even where systems utilizing 800 MHz trunked radio systems are proposing to intermix systems for cooperative and/or mutual aid purposes.

Antenna heights are to be limited to provide only the necessary coverage for a system. When antenna locations are restricted to only the "high-ground",

4.4.1 Loading Tables

EMERGENCY		NON-EMERGENCY	
CHANNELS	UNITS/CHANNEL	CHANNELS	UNITS/CHANNEL
1 - 5	80	1 - 5	100
6 - 10	85	6 - 10	110
11 - 15	90	11 - 15	125
16 - 20	95	16 - 20	130

Agencies requesting additional frequencies must show loading of 100 percent or greater on their existing system. Should a demand for frequencies exist after assignable frequencies become exhausted, any system having frequencies assigned under this plan four or more years previously and not loaded to at least 70 percent will lose operating authority on a sufficient number of frequencies to bring the system into compliance with the 70 percent loading standard. Frequencies lost in this manner will be reallocated to other agencies to help satisfy the demand for additional frequencies.

4.4.2 Traffic Loading Study

Justification for adding frequencies, or retaining existing frequencies, can be provided by a traffic loading study in lieu of loading by number of transmitters per channel. It will be the responsibility of the requesting agency to provide a verifiable study showing sufficient airtime usage to merit additional frequencies. A showing of airtime usage, excluding telephone interconnect air time, during the peak busy hour greater than 70 percent per channel on three consecutive days will be required to satisfy loading criteria.

4.4.3 Slow Growth

All systems in the 821-824/866-869 MHz bands under this plan will be slow growth in accordance with Section 90.620 of the Commission's Rules.

4.5 Use of Long Range Communications

During incidents of major proportions, where Public Safety requirements might include the need for long-range communications in and out of a disaster area, alternate radio communications plans are to be addressed by Primary Public Safety agencies within this sub-region. These agencies should integrate the appropriate interface to the long distance communications providers. Such long distance radio communications might be amateur radio operations, satellite communications and/or long range emergency preparedness communications systems, any of or all of which should be incorporated as part of the communications plans of those lead agencies. They then could provide the means to communicate outside the area for themselves and the smaller agencies who might need assistance. Instances as addressed in the National Public Safety Planning Advisory Committee's Plan, such as earthquakes, hurricanes, floods, widespread forest fires, or nuclear reactor problems could be a cause for such long-range communications needs.

4.6 Expansion of Existing Systems

Existing systems that are to be expanded to include the frequency bands of 821-824/866-869 MHz will have the mobile radios "grandfathered", provided that they are modified in conformance with the Memorandum Opinion and Order, FCC Docket 87-112. Primarily this involves reducing the modulation to +/- 4 KHz. Existing base stations in the frequency bands 806-821/851-866 MHz may not be used in the frequency bands 821-824/866-869 MHz.

5.0 IMPLEMENTATION AND PROCEDURES

5.1 Notification

Several methods of notification were used to invite interested parties to participate in the development of this plan. Initially, personal contact was made by the "convenor" to all of the major State agency communications users in the State of Kentucky. Announcements were mailed to all Kentucky Police Departments, Sheriff Departments, Sheriff's Association, Fire Departments, Fire Associations, Hospital Associations, Public Safety Radio Vendors, Ambulance Services, State EMS Department, State Department of Forestry, State Department of Fish and Wildlife, Disaster Emergency Services.

Personal contacts were made to many individuals and agencies several weeks prior to the initial meeting. All APCO Chapter members and a large number of other interested parties who had requested notification were sent letters of invitation. During the initial meeting, names, addresses and telephone numbers of those individuals present who wished to either participate in the planning process, or who wanted to be kept informed of the progress of the planning effort were taken. These individuals or agencies were sent all announcements for meetings and bulletins of progress. (See ATTACHMENT 5)

When the work on the plan was completed, a final planning committee meeting

CHANNEL ASSIGNMENTS

Listing of Channel Users

601	Mutual Aid	International Calling Channel		
602	Lewis	KY	Reg 7	KY
602	Reg 3	KY		
603	Spencer	KY	Hancock	KY
603	Clinton	KY	Bracken	KY
604	Johnson	KY	Fulton	KY
604	Fayette	KY	Caldwell	KY
604	Reg 3	KY		
605	Menifee	KY	Cumberland	KY
606	Todd	KY	Hart	KY
606	Reg 11	KY		
607	Spencer	KY	Graves	KY
607	Clark	KY	Reg 16	KY
608	Lincoln	KY	Lewis	KY
608	Christian	KY	Reg 10	KY
609	Union	KY	Graves	KY
609	Breathitt	KY	Reg 5	KY
610	Oldham	KY	Knox	KY
610	Christian	KY		
611	Magoffin	KY	Clark	KY
611	Reg 15	KY	Reg 5	KY
612	Laurel	KY	Hopkins	KY
613	Oldham	KY	Marshall	KY
613	Reg 15	KY	Reg 8	KY
614	Hopkins	KY		
615	Washington	KY	Warren	KY
615	Rowan	KY	Marshall	KY
615	Reg 5	KY		
617	Reg 12	KY		
622	Wayne	KY		
622	Fayette	KY	Reg 9	KY
622	Reg 3	KY		
622	Henderson	KY		

623	Fleming	KY	Reg 11	KY
623	Reg 1	KY		
624	Whitley	KY	Daviess	KY
624	Reg 9	KY	Fayette	KY
625	Greenup	KY	Barren	KY
625	Reg 7	KY		
626	Russell	KY	Pendleton	Ky
626	Grayson	KY	Reg 14	KY
627	Oldham	KY	Marion	KY
627	Estill	KY		
628	Knott	KY	Reg 6	KY
629	Garrard	KY	Jefferson	Ky
630	Reg 13	KY	Reg 4	KY
631	Woodford	KY	Montgomery	KY
631	Laurel	KY	Boone	Ky
632	Harlan	KY	Reg 15	KY
633	Rockcastle	KY	Oldham	KY
633	Morgan	KY	Reg 16	KY
633	Reg 5	KY		
634	Perry	KY	Marshall	KY
634	Reg 15	KY		

643	Muhlenberg	KY	Carlisle	KY
643	Reg 7	KY		
644	Trigg	KY	Lewis	KY
644	Hardin	KY		
645	Ohio	KY	Morgan	KY
645	Crittenden	KY	Reg 12	KY
646	Marion	KY	Reg 10	KY
647	Owen	KY	Meade	KY
647	Magoffin	KY		
648	Reg 11	KY	Reg 4	KY
648	Reg 1	KY		
649	Owen	KY	Madison	KY
649	Hopkins	KY		
650	Graves	KY	Reg 15	KY
650	Reg 13	KY		
651	Warren	KY	Rowan	KY
651	Madison	KY	Reg 5	KY
652	Perry	KY	Hopkins	KY
652	Reg 15	KY		
653	Pike	KY		
654	Gallatin	Ky	Campbell	KY
655	Nelson	KY	Fayette	Ky
655	Kenton	KY		
657	Reg 2	KY	Fayette	KY
658	Franklin	Ky		
659	Harrison	Ky	Reg 2	KY
660	Owsley	KY	Fulton	KY
660	Carter	KY	Breckinridge	KY
661	Knox	KY	Henry	KY
661	Caldwell	KY	Reg 9	KY
661	Reg 3	KY		
662	Owsley	KY	Jessamine	KY
662	Fleming	KY	Daviess	KY
662	Cumberland	KY		
663	Reg 7	KY	Jefferson	Ky

664	Grayson	KY		
665	Estill	KY	Reg 14	KY
665	Jefferson	Ky		
666	Logan	KY	Lincoln	KY
666	Reg 10	KY	Reg 6	KY
667	Powell	KY	Reg 14	KY
667	Jefferson	Ky		
668	Reg 13	KY	Reg 4	KY
668	Reg 6	KY		
669	Woodford	KY	Laurel	KY
669	Reg 14	KY		
670	Taylor	KY	Gallatin	Ky
670	Reg 13	KY	Kenton	KY
671	Rowan	KY	Robertson	Ky
671	Pulaski	KY	Reg 16	KY
672	Perry	KY	Kenton	Ky
673	Warren	KY		
673	Pike	KY	Livingston	KY
674	Reg 12	KY		
675	Boone	Ky	Reg 2	KY
676	Jefferson	Ky	Fayette	KY
677	Mutual Aid	Fire Services Channel		
678	Logan	KY	Elliott	KY
678	Adair	KY	Fayette	KY
678	Jefferson	KY		
679	Hickman	KY	Hancock	KY
679	Caldwell	KY	Allen	KY
680	Hardin	KY	Reg 7	KY
680	Calloway	KY	Henderson	KY
681	Muhlenberg	KY	Henry	KY
681	Greenup	KY	Carlisle	KY
681	Barren	KY	Reg 10	KY
682	Oldham	KY	Meade	KY
682	Floyd	KY	Boyle	KY
682	Bell	KY		

683	Monroe	KY	Laurel	KY
683	Christian	KY	Reg 8	KY
683	Reg 5	KY		
684	Union	KY	Russell	KY
684	Reg 4	KY		
685	Woodford	KY	Meade	KY
685	Reg 14	KY		
686	Webster	KY	Reg 11	KY
686	Reg 4	KY	Reg 6	KY
687	Madison	KY	Jefferson	Ky
687	Reg 14	KY		
688	Robertson	Ky		
688	Reg 13	KY	Reg 2	KY
689	Pulaski	KY	Gallatin	Ky
690	Marshall	KY	Reg 16	KY
690	Reg 8	KY		
691	Reg 12	KY		
692	Reg 2	KY		
693	Reg 12	KY		
695	Jefferson	Ky	Fayette	KY
698	Harlan	KY	Henderson	KY
698	Calloway	KY	Reg 8	KY
698	Reg 5	KY	Reg 3	KY
699	Butler	KY	Boyd	KY
699	Ballard	KY	Adair	KY
699	Reg 10	KY	Reg 5	KY
700	Reg 7	KY	Daviess	KY
701	Whitley	KY	Meade	KY
701	Edmonson	KY	Reg 9	KY
701	Reg 5	KY		
702	Carter	KY	Boyle	KY
702	Bourbon	Ky		
703	Reg 13	KY	Jefferson	Ky
704	Whitley	KY	Simpson	KY
704	Marion	KY	Reg 6	KY

705	Reg 14	KY	Reg 11	KY
705	Jefferson	Ky		
706	Letcher	KY	Reg 4	KY
706	Reg 6	KY		
707	Trimble	KY		
707	Madison	KY	Carter	KY
708	Nicholas	Ky	Bullitt	KY
708	Reg 13	KY		
709	Rowan	KY	Pulaski	KY
709	Reg 16	KY	Kenton	Ky
710	Nelson	KY	Mason	KY
710	Madison	KY		
711	Warren	KY	Pike	KY
711	Lyon	KY	Gallatin	Ky
713	Reg 12	KY	Reg 2	KY
714	Madison	KY	Franklin	Ky
715	Mutual Aid	Emergency Medical Service		
716	McCreary	KY	Allen	KY
716	Reg 14	KY	Fayette	KY
716	Jefferson	Ky		
717	Russell	KY	Daviess	KY

724	Warren	KY		
724	Clay	KY		
725	Reg 15	KY	Reg 8	KY
725	Reg 5	KY		
726	Rockcastle	KY	Oldham	KY
726	Harlan	KY	Reg 2	KY
727	McCracken	KY	Reg 15	KY
727	Reg 8	KY	Reg 5	KY
728	Perry	KY	Reg 16	KY
729	Wolfe	KY	Reg 12	KY
730	McCracken	KY		
731	Reg 12	KY		
733	Grant	Ky	Fayette	KY
734	Nelson	KY		
736	McLean	KY	Edmonson	KY
736	Reg 9	KY	Reg 1	KY
736	Fayette	KY		
737	Clay	KY	Breckinridge	KY
737	Ballard	KY	Adair	KY
738	Montgomery	KY	McLean	KY
738	Larue	KY	Anderson	KY
738	Reg 9	KY		
739	Metcalfe	KY	Reg 10	KY
739	Jefferson	Ky		
740	Logan	KY	Knox	KY
740	Floyd	KY	Boyle	KY
740	Bourbon	Ky		
741	Lee	KY		
742	Powell	KY	Letcher	KY
742	Jefferson	Ky		
743	Lawrence	KY	Reg 11	KY
743	Reg 4	KY	Reg 6	KY
744	Woodford	KY	Powell	KY
745	Bullitt	KY	Reg 6	KY

746	Taylor	KY	Reg 13	KY
747	Gallatin	Ky		
748	Wolfe	KY	Mason	KY
748	Reg 16	KY	Reg 15	KY
749	Pike	KY	Lyon	KY
749	Shelby	KY		
751	Reg 12	KY		
753	Mutual Aid	Command and Control		
754	Johnson	KY	Boyd	KY
754	Anderson	KY	Reg 3	KY
755	Casey	KY	Butler	KY
755	Reg 6	KY		
756	McCreary	KY	Johnson	KY
756	Boyd	KY	Allen	KY
756	Reg 1	KY	Jefferson	Ky
756	Henderson	KY		
757	Todd	KY	Metcalf	KY
757	Reg 7	KY		
758	Trigg	KY	Daviess	KY
758	Bullitt	KY		
759	Simpson	KY	Oldham	KY
759	Clay	KY	Reg 1	KY
760	Webster	KY	Pulaski	KY
760	Reg 8	KY	Shelby	KY
761	Reg 4	KY	Reg 1	KY
762	Nicholas	Ky		
762	Mercer	KY	Reg 13	KY
763	Laurel	KY	Greenup	KY
763	Green	KY	Greenup	KY
763	Christian	KY	Reg 12	KY
764	Magoffin	KY	Graves	KY
765	Pulaski	KY		
766	Warren	KY	Pike	KY
766	Lyon	KY	Reg 12	KY
767	McCracken	KY		

769	Reg 12	KY		
771	Franklin	Ky		
772	Jefferson	Ky		
774	Fulton	KY	Fayette	Ky
774	Breckinridge	KY	Reg 9	KY
775	Kenton	KY		
776	Trigg	KY	Martin	KY
776	Hancock	KY	Carroll	KY
776	Reg 7	KY		
777	Barren	KY	Reg 10	KY
777	Reg 1	KY	Jefferson	Ky
778	Scott	KY	Casey	KY
778	Breathitt	KY	Reg 16	KY
779	Livingston	KY	Larue	KY
780	Clark	KY	Christian	KY
780	Reg 13	KY	Jefferson	Ky
781	Jackson	KY	Reg 4	KY
782	Reg 6	KY		
783	Greenup	KY		
783	Bullitt	KY		
784	Taylor	KY	Fayette	KY
785	Morgan	KY	Reg 16	KY
785	Gallatin	Ky		
786	Washington	KY	Livingston	KY
787	Pike	KY	Gallatin	Ky
789	Reg 12	KY		
790	Boone	Ky		
791	Madison	KY	Franklin	Ky
794	Wayne	KY	Fayette	Ky
794	Calloway	KY	Boyd	KY
794	Reg 3	KY		
795	Bracken	Ky	Reg 11	KY

795	Reg 9	KY		
796	Wayne	KY	Fayette	Ky
796	Calloway	KY	Boyd	KY
796	Reg 3	KY		
797	Grant	Ky	Daviess	KY
797	Reg 11	KY	Reg 9	KY
798	Simpson	KY	Mercer	KY
798	Menifee	KY	Hardin	KY
799	Christian	KY	Reg 10	KY
800	Ohio	KY	Lawrence	KY
800	Harlan	KY	Reg 12	KY
801	Trimble	KY	Mercer	KY
801	Lee	KY	Hardin	KY
801	Reg 14	KY	Reg 1	KY
802	Ohio	KY	Greenup	KY
802	Green	KY		
802	Greenup	KY	Reg 12	KY
803	Nicholas	Ky	Lincoln	KY
803	Leslie	KY	Crittenden	KY
804	Graves	KY	Reg 12	KY
805	Hopkins	KY	Reg 8	KY
806	Marshall	KY	Reg 15	KY
806	Kenton	KY		
808	McCracken	KY	Gallatin	Ky
809	Campbell	KY		
810	Reg 12	KY		
811	Franklin	Ky		
812	Harrison	Ky	Campbell	KY
814	Butler	KY	Reg 14	KY
814	Fayette	Ky		
815	Lawrence	KY	Grant	Ky
815	Reg 7	KY		
816	Hickman	KY	Fleming	KY
816	Christian	KY	Bell	KY

817	Hart	KY	Anderson	KY
817	Reg 10	KY		
818	Monroe	KY	Daviess	KY
818	Reg 8	KY		
819	Knott	KY	Harrison	Ky
819	Garrard	KY		
820	Hardin	KY	Christian	KY
820	Carters	KY		

CHANNEL ASSIGNMENT BY COUNTY

Lewis	602	608	644				
Reg 7	602 757	625 776	643 815	663	680	700	
Reg 3	602 718	604 754	622 794	640 796	661	698	
Spencer	603	607					
Hancock	603	679	776				
Clinton	603	642					
Bracken	603	795					
Johnson	604	754	756				
Fulton	604	660	774				
Fayette	604 736 784	622 655 794	624 657 796	640 676 814	642 695	678 733	716 774
Caldwell	604	661	679				
Menifee	605	798					
Cumberland	605	662					
Todd	606	757					
Hart	606	817					
Reg 11	606 795	623 797	648 821	686	705	722	743
Graves	607	609	650	764	804		
Clark	607	611	780	821			
Reg 16	607 748	633 778	635 785	671	690	709	728
Lincoln	608	666	803				
Christian	608 820	610	683	763	780	799	816
Campbell	654	808	809	812			

Reg 10	608 777	646 799	666 817	681	699	720	739
Union	609	684	722				
Breathitt	609	778					
Reg 5	609 683 727	611 698 823	615 699 825	633 701	635 723	651 725	
Oldham	610 824	613	627	633	682	726	759
Shelby	749	760	821				
Knox	610	661	740				
Magoffin	611	647	764				
Reg 15	611 727	613 748	632 806	634	650	652	725
Laurel	612	631	669	683	763		
Hopkins	612	614	649	652	805		
Marshall	613	615	634	690	806		
Reg 8	613 760	683 805	690 818	698	723	725	727
Washington	615	786	825				
Warren	615	651	673	711	724	766	821
Rowan	615	651	671	709			
Reg 12	617 713 789	619 729 800	637 731 802	645 751 804	674 763 810	691 766 827	693 769
Wayne	622	794	796				
Reg 9	622 774	624 795	661 797	701	719	736	738
Henderson	622	642	680	698	719	756	
Fleming	623	662	816				
Reg 1	623 761	648 777	721 801	723	736	756	759

Whitley	624	701	704				
Daviess	624 818	662	700	717	723	758	797
Greenup	625	681	763	783	802		
Barren	625	681	720	777			
Russell	626	684	717				
Pendleton	626						
Grayson	626	664					
Reg 14	626 716	665 801	667 814	669	685	687	705
Marion	627	646	704				
Estill	627	665					
Knott	628	819					
Reg 6	628 745	666 755	668 782	686	704	706	743
Garrard	629	819					
Jefferson	629 703 772	663 705 777	665 716 780	667 718 829	676 720	687 739	695 742 756
Reg 13	630 746	650 762	668 780	670	688	703	708
Reg 4	630 743	648 761	668 781	684	686	706	721
Woodford	631	669	685	744			
Montgomery	631	721	738				
Boone	631	638	675	790			
Harlan	632	698	726	800			
Rockcastle	633	726					
Morgan	633	645	785				
Perry	634	652	672	728	825		

Pike	635 826	653	673	711	749	766	787
Mason	635	710	748				
McCreary	640	716	756				
Elliott	640	678					
Casey	641	755	778				
Carroll	641	717	776				
Calloway	641	680	698	794	796		
Breckinridge	641	660	737	774			
Martin	642	776					
Edmonson	642	701	736				
Bath	642	717					
Muhlenberg	643	681	720				
Carlisle	643	681					
Kenton	655	670	672	709	775	806	
Trigg	644	758	776				
Hardin	644	680	798	801	820		
Ohio	645	800	802				
Crittenden	645	803					
Owen	647	649					
Meade	647	682	685	701			
Madison	649 823	651	687	707	710	714	791
Gallatin	654 785	689 787	711 808	747			
Nelson	655	710	734	822			
Reg 2	657 826	659	675	688	692	713	726
Franklin	658	714	771	791	811		

Harrison	659	812	819			
Owsley	660	662				
Carter	660	702	707	820		
Henry	661	681				
Jessamine	662	718				
Logan	666	678	740			
Powell	667	742	744			
Taylor	670	723	746	784		
Robertson	671	688				
Pulaski	671	689	709	760	765	824
Livingston	673	779	786			
Adair	678	699	737			

Bullitt	708	745	758	783	
Lyon	711	749	766		
Jackson	718	781			
Clay	724	737	759		
McCracken	727	730	767	808	827
Wolfe	729	748			
Grant	733	797	815		
McLean	736	738			
Larue	738	779			
Anderson	738	754	817		
Metcalf	739	757			
Lee	741	801			
Lawrence	743	800	815		
Mercer	762	798	801		
Green	763	802			
Scott	778				
Leslie	803	823			

State Police Regions

Region 1

Ballard
Calloway
Carlisle
Fulton
Graves
Hickman
Livingston
Lyon
McCracken
Marshall
Trigg

Region 2

Caldwell
Christian
Crittenden
Hopkins
Muhlenberg
Todd
Webster

Region 3

Allen
Barren
Butler
Edmondson
Hart
Logan
Simpson
Warren
